

21 March 2023

PRESENTATION – PAYDIRT’S BATTERY MINERALS CONFERENCE

St George Mining Limited (ASX: **SGQ**) is participating in Paydirt’s Battery Minerals Conference being held in Perth on 21 and 22 March 2023.

A copy of the Investor Presentation for the Conference is attached.

Authorised for release by the Board of St George Mining Limited.

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Fuelling the Future

***Paydirt's
Battery Minerals Conference
21 and 22 March 2023, Perth***

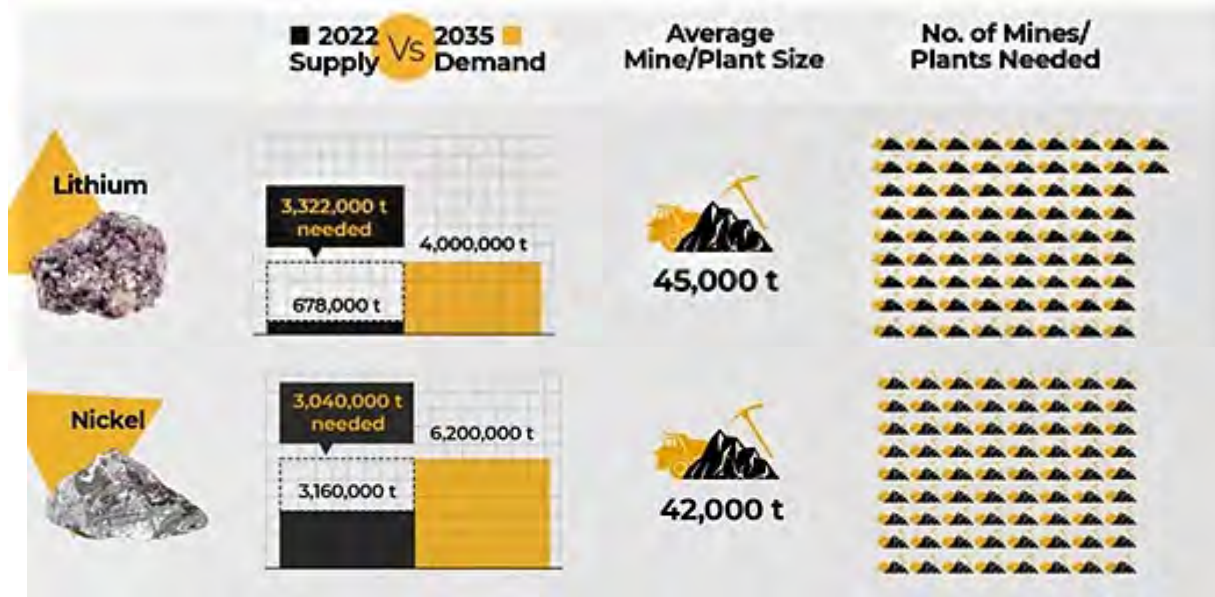


ST GEORGE MINING LIMITED
ACN 139 308 973 ASX: SGQ

Battery Minerals

Supply and demand dynamics

- Benchmark Mineral Intelligence predicts by 2035 we need:
 - More than 70 new lithium mines/plants
 - More than 60 new nickel mines/plants
- Lithium giant Albermale predicts 500% lithium demand growth from 2022 to 2030 (*Albermale investor update, 23 Jan 2023*)
- BHP sees nickel demand rising 400% by 2050 on EV boom (*Bloomberg, 2 Nov 2022*)



Source: Benchmark Mineral Intelligence, Sept 2022

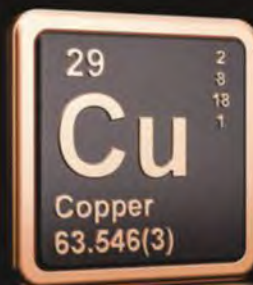
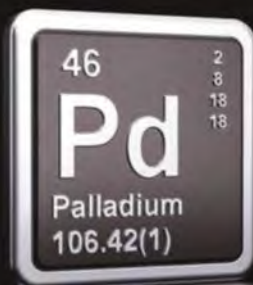
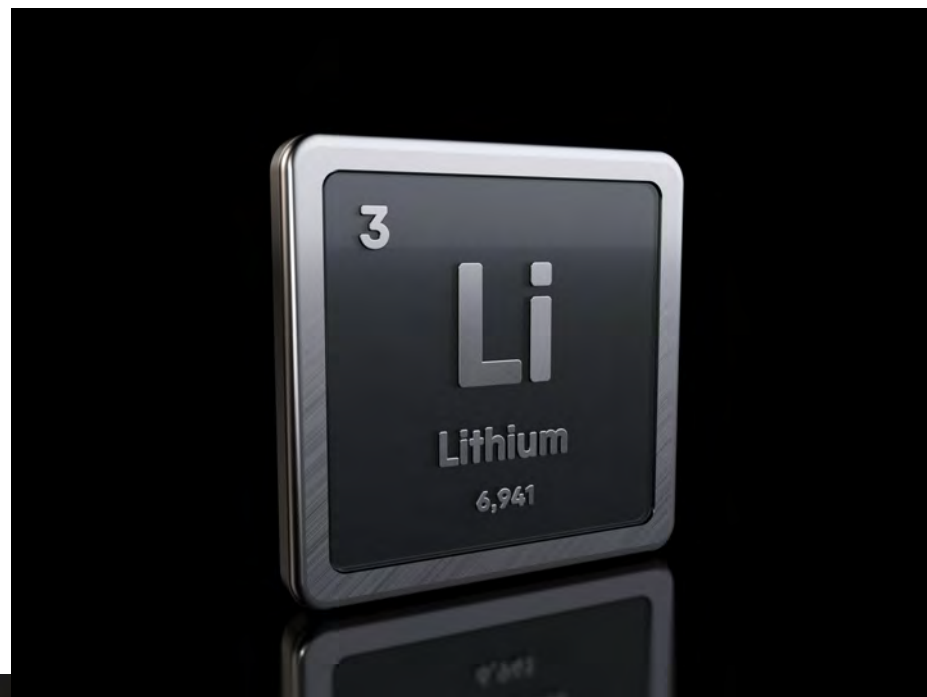
Supply response:

- There is only one way to meet demand – through exploration and development which requires a high incentive price for metals in the long-term outlook
- LG Chem CEO: “We are preparing ourselves first of all to secure supply of raw material, which is more important than the price. Our first and foremost priority is to secure enough raw material for the future.” Bloomberg, 13 February 2023

Clean Energy Mega-Trend

St George well-positioned to capitalise on the trend

- Global trend to decarbonise
- Multi-decade transition to clean energy
- Electric vehicles and clean energy storage solutions are driving unprecedented demand for clean energy metals
- St George is building a portfolio of quality exploration and development projects to capitalise on the global trend



Australia is the world's largest producer of hard-rock lithium, creating significant opportunities for foreign investment across all points in the value chain

St George has forged strategic relationships with three world leading lithium-ion battery companies to consider and negotiate strategic collaboration on lithium business opportunities including:

- potential offtake from any mining operation at Mt Alexander
- acquisition and exploration of new lithium projects
- investment in downstream lithium assets in Western Australia



Shanghai Jayson Co., Ltd

- world's leading cathode precursor producer materials for lithium-ion batteries



SVOLT Energy Technology Co., Ltd

- one of the world's largest battery manufacturers supplying to over 30 automakers and other customers



Sunwoda Electronic Co., Ltd

- key global lithium-ion battery supplier for a wide range of products, and ranked in top 10 of world battery companies based on installed capacity

Corporate Overview

Expertise to create value for shareholders



Market Capitalisation (17 Mar 2023)

\$50m

Top 20 Shareholders

31%

Directors & Management

5%

Cash (31 Dec 2022)

\$6.3m

Listed Shares

837,385,549

Listed Options

37,188,238

Share Price (17 Mar 23)

\$0.06

Debt

Nil

Directors and Management – Vision and Experience for Success

John PRINEAS, Executive Chairman – founding shareholder with over 25 years experience in mining, and the banking and legal sectors servicing the resources industry.

John DAWSON, Non-Executive Director – over 30 years in the finance and mining sectors where he occupied very senior roles with global investment banks Goldman Sachs and Dresdner Kleinwort Wasserstein.

Sarah SHIPWAY, Non-Executive Director/Company Secretary – Chartered Accountant with extensive experience in advising listed exploration companies.

Management:

Julian HANNA, General Manager – Growth and Development – over 35 years experience in exploration, development, mining and corporate growth. Former Managing Director of nickel miner Western Areas and copper explorer MOD Resources, both delivering new discoveries and growth during his leadership.

Charles WILKINSON, Technical Consultant – over 35 years as a geologist with 16 years at WMC including as Exploration Manager - Nickel. Joined Western Areas in 2008 as General Manager Exploration. During his 9 years at WSA, it grew its resource inventory to become Australia’s No. 1 independent nickel sulphide producer.

Dave MAHON, Exploration Manager – joined St George in 2018 and has supervised all exploration at Mt Alexander and our Paterson Project. Gained specialist nickel sulphide expertise working with Western Areas as a mine geologist and project exploration geologist.



Project Portfolio

Tier one location



Mt Alexander

- **Ni-Cu-PGEs:** discoveries from near-surface
- **Lithium:** 15km long pegmatite corridor

Woolganie

- **Lithium plus REE and copper:** large underexplored land package

Paterson

- **Copper-gold:** large underexplored land package

Ajana

- **Ni-Cu-PGEs:** greenfields exploration

Broadview

- **Ni-Cu-PGEs:** greenfields exploration

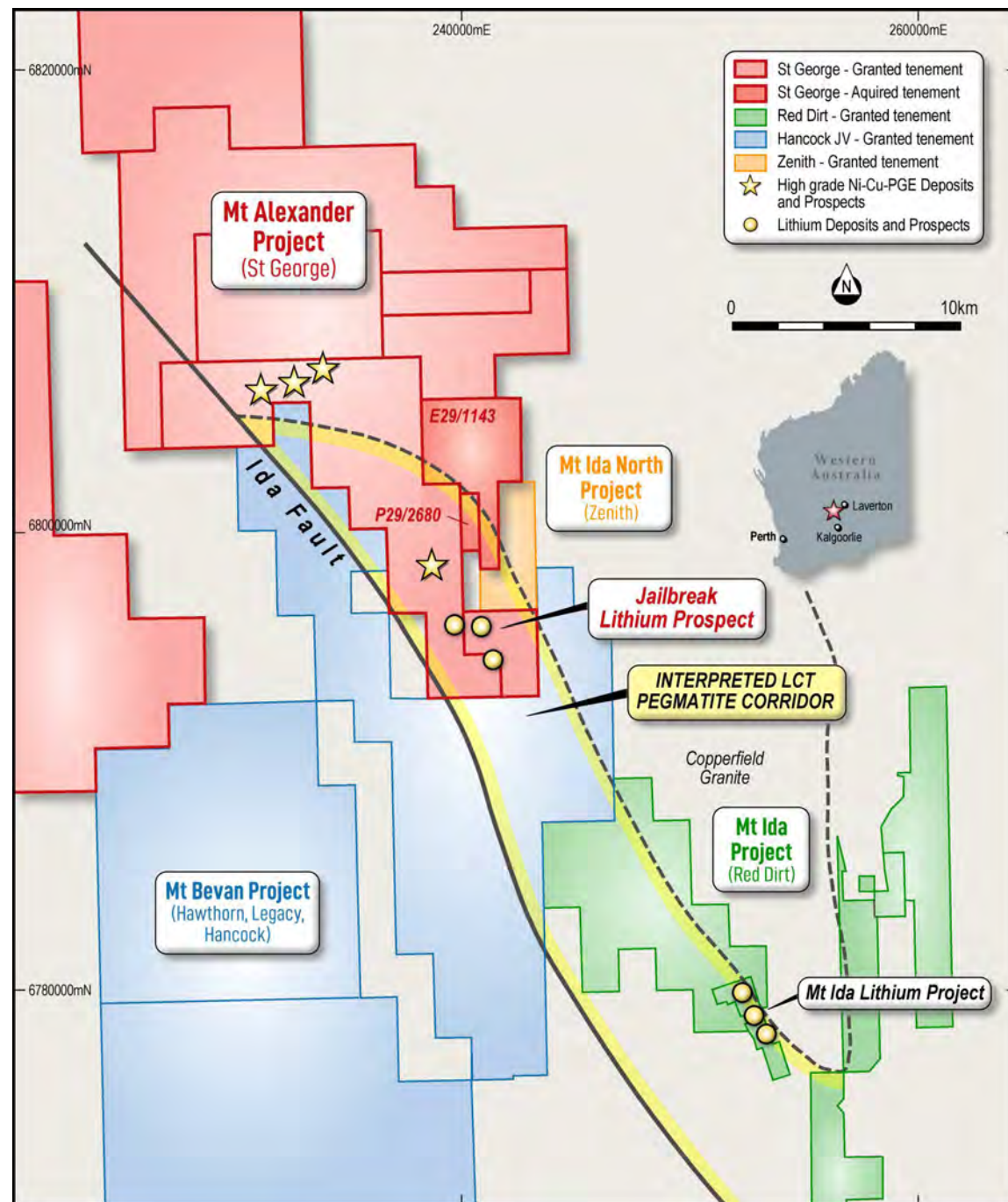


Mt Alexander

Fast-evolving lithium potential

- New lithium province that remains underexplored
- Red Dirt Metals (ASX: RDT) announced a significant lithium resource
 - see ASX Release by Red Dirt dated 19 Oct 2022 *Mt Ida Maiden Lithium Resource 12.7Mt @ 1.2% Li₂O*
- Pegmatite corridor parallel to Copperfield Granite – the interpreted source of the high-grade lithium-bearing pegmatites – extends north from Red Dirt into St George’s ground
- +15km of pegmatite corridor across St George’s Mt Alexander Project

About the Project: St George Mining Limited holds 100% of all the Mt Alexander tenements with the exception of E29/638, which is held in joint venture by St George (75%) and IGO Limited (25%). St George is the Manager of the Project, with IGO retaining a 25% non-contributing St George in the Project until a decision to mine.



Mt Alexander

Encouraging early exploration results

- Field mapping and rock chip sampling focused on east-west striking pegmatite dykes at the Jailbreak Prospect
- Laboratory assays confirm numerous samples with high-grade lithium, caesium, tantalum and rubidium from outcrop up to 20m thick
- Rock chip assays – up to 3.25% Li_2O , 715ppm Cs_2O , 192ppm Ta_2O_5 and 1.37% Rb
- Maiden drill programme in late 2022 confirms continuity of pegmatites up to 200m below surface with lithium grades up to 1.8% Li_2O
- Large drill programme now underway with targets across the 15km pegmatite corridor



Mt Alexander

Fresh Ni-Cu-PGE sulphides near-surface

Large underexplored high-grade mineral system:

- Four shallow, high-grade discoveries over a 5.5km strike of the east-west trending Cathedrals Belt – *potential for mineralisation deeper and along strike*
- Style of mineralisation at the Cathedrals Belt is very rare – combination of high-grade nickel, copper, cobalt and platinum group metals
- Discoveries also made in the north-south trending Mt Alexander Belt which extends for more than 7km and is underexplored

Metallurgical test work supports commercial potential:

- XPS (a Glencore company) completed test work (through conventional flotation)
- **27.8% Cu** concentrate, and **11.5% Ni** concentrate with potential to optimise
- Strong credits for PGEs (70% Pd, 10% Rh), Ag, Au and cobalt

| Prospect | Hole | From m | Width m | Ni % | Cu % | Co % | PGE g/t |
|----------------------|------------------|-----------|------------|---------|---------|---------|------------|
| Stricklands | MAD71 | 37.5 | 17.45 | 3.0 | 1.3 | 0.13 | 1.68 |
| | <i>including</i> | 39.3 | 5.30 | 4.4 | 1.5 | 0.21 | 2.09 |
| | <i>and</i> | 50.6 | 2.02 | 5.1 | 2.0 | 0.21 | 3.31 |
| Cathedrals | MAD56 | 57.8 | 7.50 | 3.9 | 1.7 | 0.12 | 3.32 |
| | <i>including</i> | 61.8 | 3.15 | 6.4 | 2.9 | 0.20 | 5.03 |
| Investigators | MAD38 | 25.4 | 2.74 | 3.77 | 1.48 | 0.1 | 3.85 |
| Investigators | MAD127 | 183.9 | 8.49 | 5.8 | 2.6 | 0.18 | 3.61 |
| | <i>including</i> | 184.4 | 6.39 | 6.5 | 2.8 | 0.21 | 3.68 |
| Radar | MAD152 | 46 | 6.00 | 2.14 | 0.74 | - | 1.62 |



*Drill core from
MAD56*

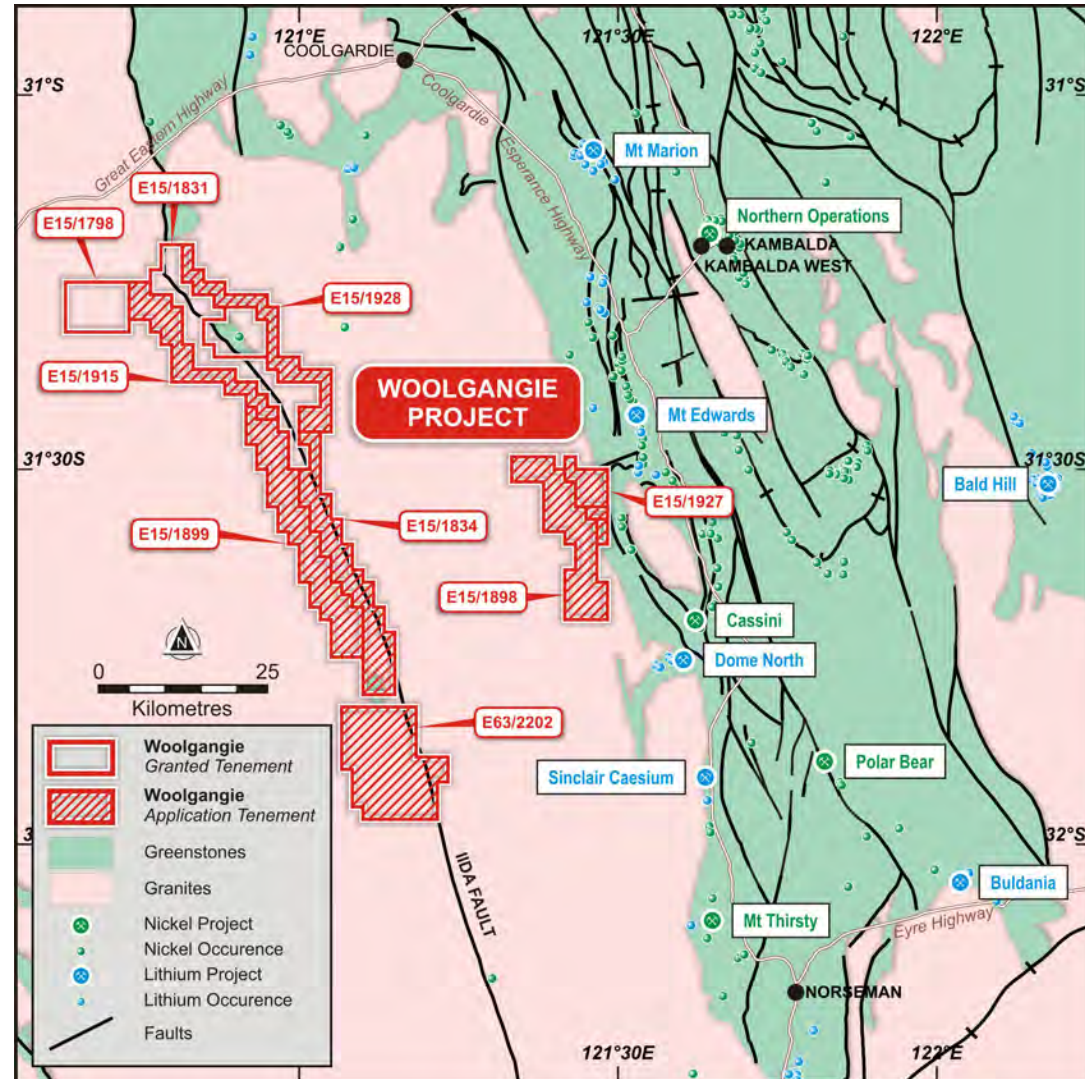
Woolgangie Project

Highly prospective for critical metals



ST GEORGE
MINING LIMITED

- St George holds 100% of a package of exploration licences (granted or in application) south-west of Coolgardie and west of Kambalda
- Woolgangie is considered prospective for:
 - lithium,
 - nickel-copper sulphides
 - ionic clay-hosted rare earths mineralisation
- The project covers a 70km strike of the Ida Fault:
 - Major crustal boundary that controls many major minerals deposits within WA
 - large sections of an adjacent outcropping and concealed greenstone belt that hosts pegmatites with potential for lithium
- Additional exploration licences (in application) with observed pegmatite occurrences extend ~25km along the western margin of the established lithium region

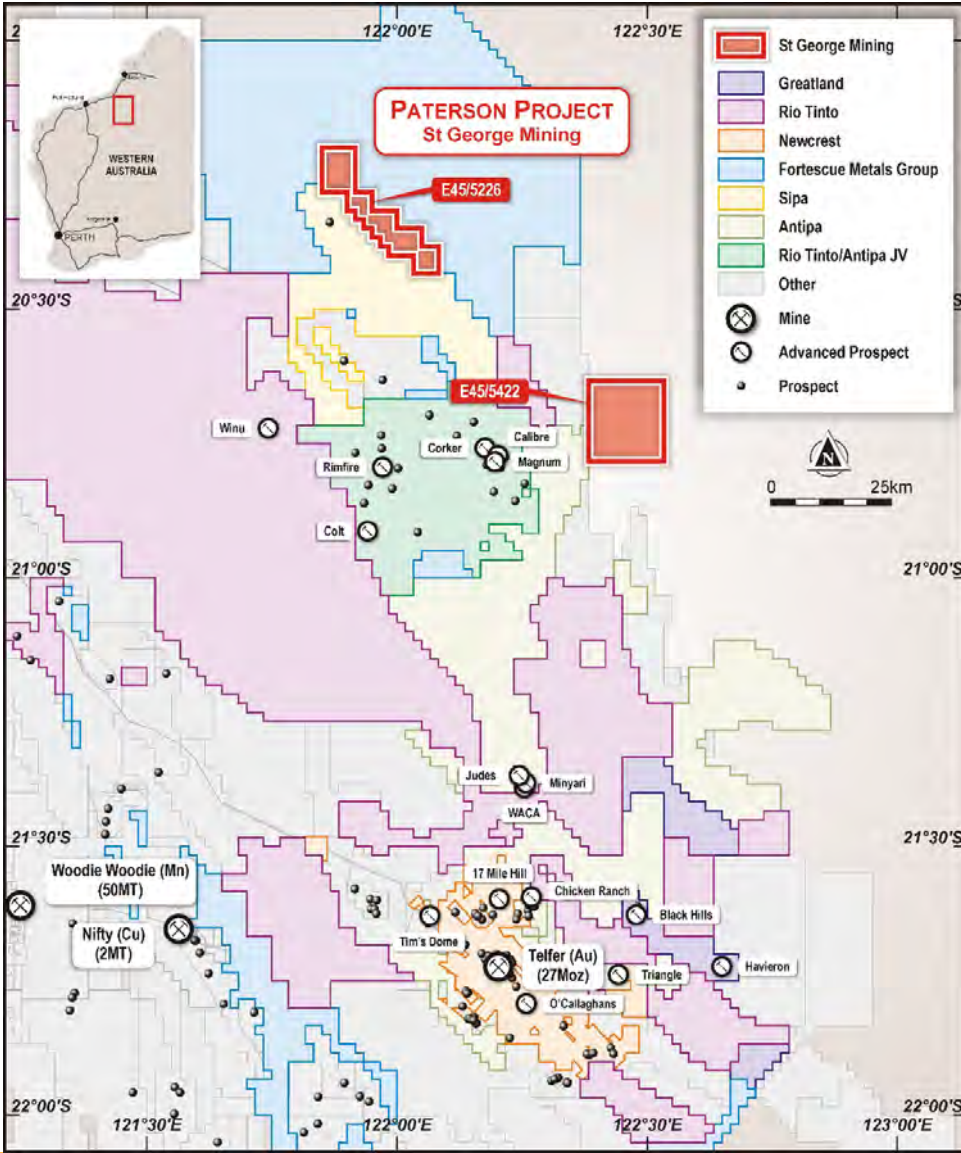


Paterson Project

Within world-class copper-gold district



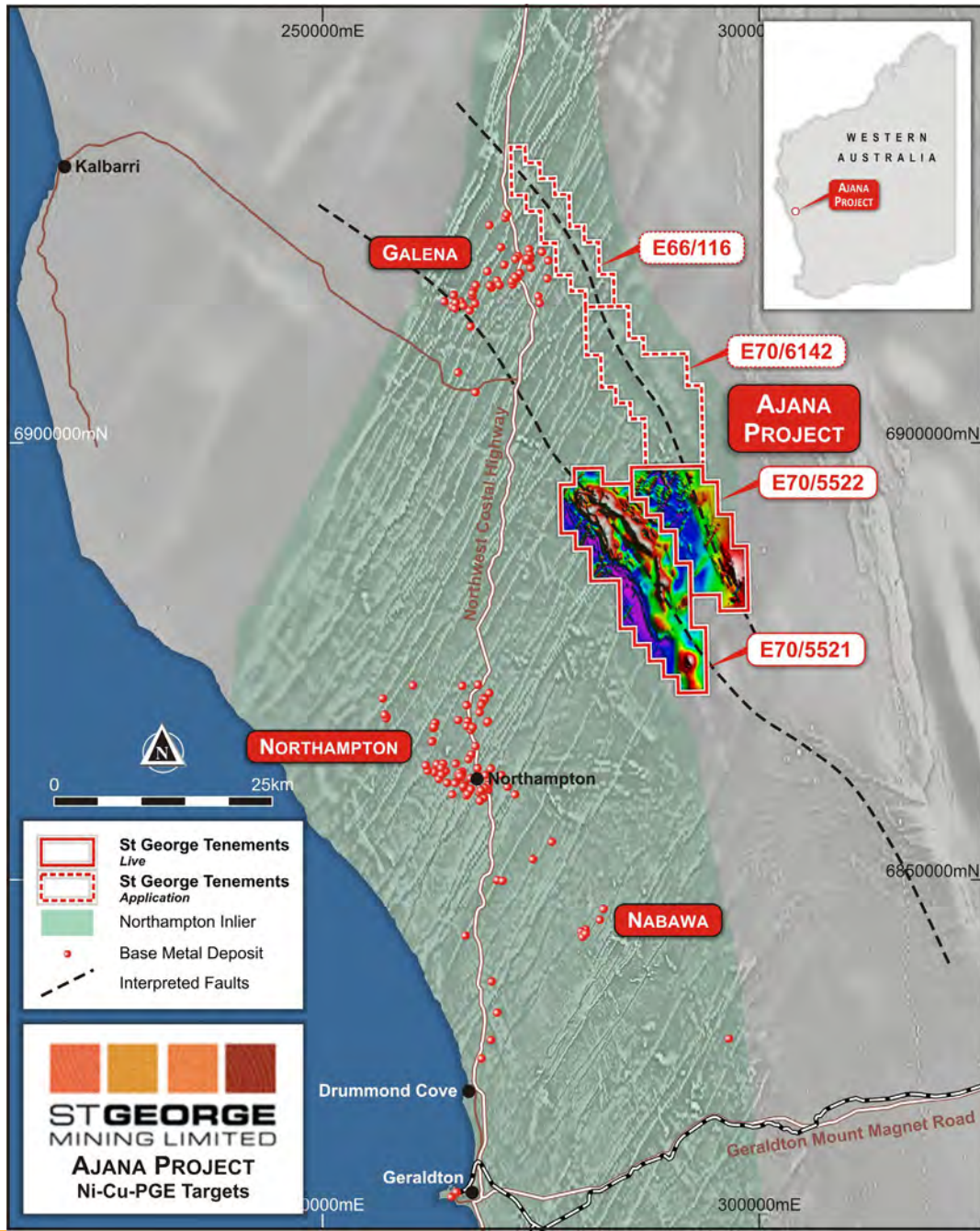
- St George holds 100% of two prospective tenements
- St George ground has not been explored by modern geophysics and drilling techniques, offering an attractive opportunity for a new discovery in an exploration hotspot
- Geological setting at St George's ground is interpreted to show strong similarities to Rio's major Winu Cu-Au discovery
- Neighbouring companies Antipa (ASX: AZY) and Sipa (ASX: SRI) have joint ventures with Rio Tinto
- Drilling has confirmed prospective host lithologies and evidence of hydrothermal/mineralising process



Ajana Project

Fertile mineral district

- Located in the Northampton mineral field where extensive mining of near surface base metals deposits occurred during 1850 to 1973
- Near the western margin of the Yilgarn, an area of strong exploration activity following the discovery of Chalice Mining's Julimar deposit in the western Yilgarn
- St George has granted exploration licences as well as licences under application covering a total area of more than 580 sq km (100% St George)
- Modern exploration techniques and concepts have the potential to identify blind deposits
- Inversion modelling of the magnetic data by St George is indicative of a late-stage, potentially layered mafic intrusion – prospective to host significant Ni-Cu-PGEs

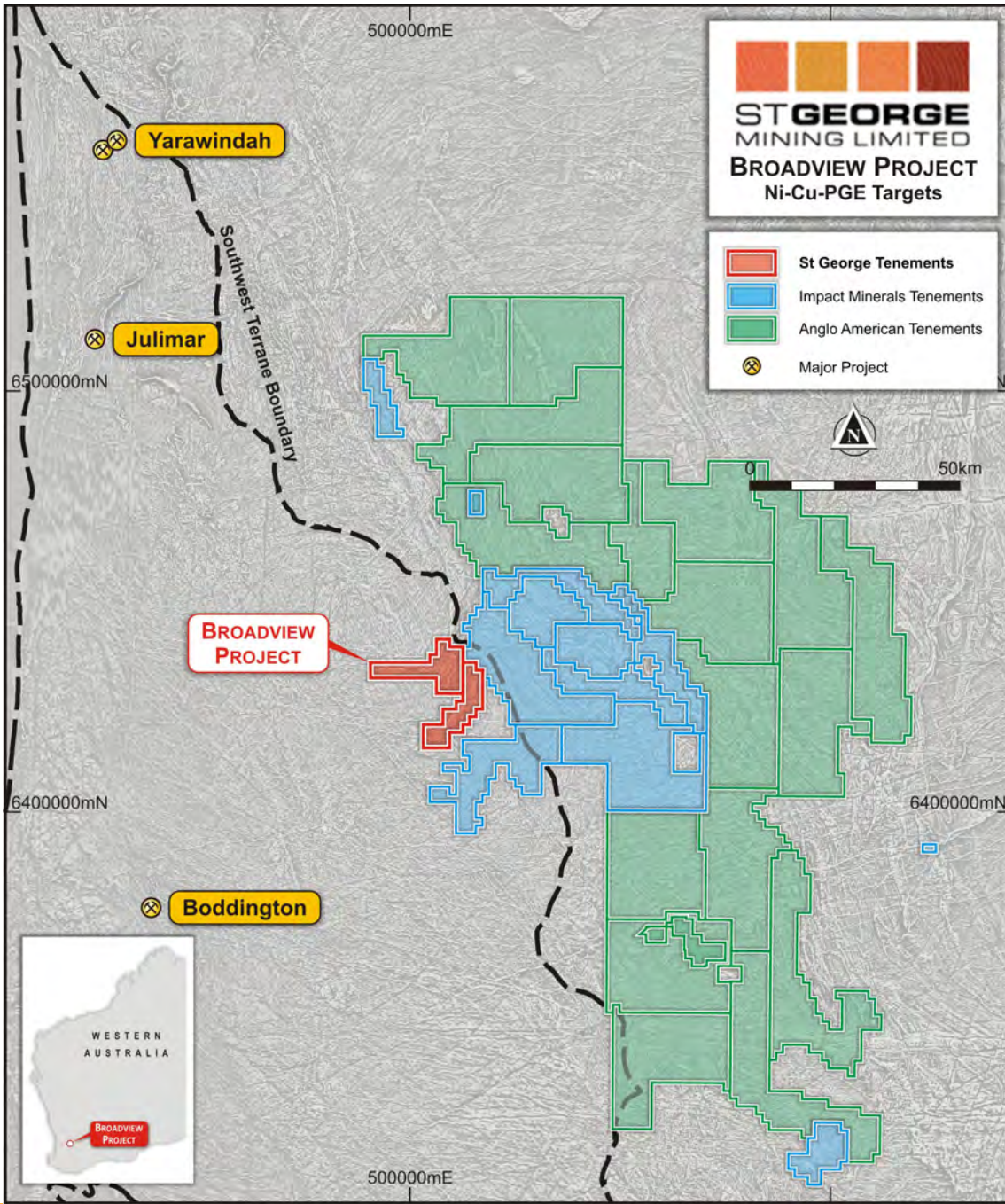


Broadview Project

Emerging mineral province

- Located in Western Australia's Wheatbelt, approximately 150km east of Perth
- Two granted exploration licences (100% St George) covering two large interpreted mafic intrusives – each +25km long
- Adjacent to the boundary of the South West Terrane that hosts Chalice's Julimar discovery, located to the north-west of Broadview
- Anglo American and Impact Minerals have major projects underway to the east of Broadview

Map of the Broadview Project tenements overlaying magnetic data and highlighting interpreted mafic intrusives. Inset shows regional location adjacent to Impact Mineral's and Anglo's extensive tenement holdings.



Major Drill Programmes

- Diamond and reverse circulation (RC) drilling to be deployed at Mt Alexander in 2023:
 - Focus on testing new targets for lithium discoveries
 - RC drilling is underway
- Maiden drilling at Ajana and Broadview – RC drilling planned subject to finalisation of access agreements
- Maiden drilling at Woolgangie with a focus on making a discovery



Photo: drill core from MAD 211 (drilled in 2022) showing pegmatite with lithium-bearing minerals

*Discovery and growth opportunities
across multiple projects*



Forward looking statements and disclosures



The information in this report that relates to Exploration Targets, Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Dave Mahon, a Competent Person who is a Member of The Australian Institute of Geoscientists. Mr Mahon is a full-time employee of St George Mining Limited to provide technical advice on mineral projects and holds performance rights in the Company.

This ASX announcement contains information extracted from the following reports which are available on the Company's website at www.stgm.com.au:

- 10.March 2022 Strong Metallurgical Results for Mt Alexander
- 29 March 2022 Exploration Update - Mt Alexander
- 31 March 2022 Expansion Drill Programme – Mt Alexander
- 12 April 2022 Expansion Drill Programme – Mt Alexander
- 3 May 2022 Step Up in Exploration for St George
- 25 May 2022 St George Commences Drilling at the Paterson
- 1 September 2022 New Nickel Targets at Mt Alexander
- 7 September 2022 Significant Lithium Potential at Mt Alexander
- 20 September 2022 Significant Expansion of Lithium Potential
- 2021 Assays Confirm High-Grade Discovery at Mt Alexander
- 5 October 2022 Nickel Targets Confirmed at Mt Alexander
- 12 October 2022 High-Grade Lithium Confirmed at Mt Alexander
- 25 October 2022 Lithium Drilling Underway at Mt Alexander
- 4 November 2022 Drilling Intersects Pegmatites with Visible Lithium
- 7 November 2022 St George Increases Lithium Landholding
- 30 November 2022 St George Signs MoU with Global battery Investor
- 8 December 2022 St George Signs MoU with Global Battery Giant - SVOLT
- 21 December 2022 More Positive Lithium Results at Mt Alexander
- 21 December 2022 Strategic Investment in St George
- 6 February 2023 Lithium Exploration Commences at Mt Alexander
- 21 February 2023 Lithium Drilling Underway at Mt Alexander

The Company confirms that it is not aware of any new information or data that materially affects the exploration results included in any original market announcements referred to in this report and that no material change in the results has occurred. The Company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcements.

Disclaimer

Certain statements contained in this presentation, including information as to the future financial or operating performance of St George Mining Limited (ASX:SGQ) and its projects, are forward looking statements:

- may include, among other things, statements regarding targets, estimates and assumptions in respect of mineral reserves and mineral resources and anticipated grades and recovery rates, production and prices, recovery costs and results, capital expenditures, and are or may be based on assumptions and estimates related to future technical, economic, market, political, social and other conditions;
- are necessarily based upon a number of estimates and assumptions that, while considered reasonable by St George Mining, are inherently subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies; and
- involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements.

St George Mining disclaims any intent or obligation to update publicly any forward-looking statements, whether as a result of new information, future events or results or otherwise. The words "believe", "expect", "anticipate", "indicate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will", "schedule" and similar expressions identify forward looking statements.

All forward looking statements made in this presentation are qualified by the foregoing cautionary statements. Investors are cautioned that forward looking statements are not guarantees of future performance and investors are cautioned not to put undue reliance on forward looking statements due to the inherent uncertainty therein.